

<110> Hansen, J. Norman

<120> Construction and Screening of Lantibody Display Libraries

<130> 108172-00056

<150> 60/215,449

<151> 2000-06-29

<160> 3

<170> PatentIn version 3.1

<210> 1

<211> 2517

<212> DNA

<213> Artificial Sequence

<220>

<223> The EcoRI-HindIII insert of the pLPVc integrative plasmid.

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gatagaattg ttattgaaac tacaataag cgtttctag ttttttaa tgagactca 480

caatttattc aaaagtataa aagggttagt gttgaacat aaaaaagtac ctcttaca 540

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<211> 300

<212> DNA

<213> Artificial Sequence

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<223> The sequence of sunA-PG20-SL gene and its corresponding peptide sequence.

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<221> CDS

<222> (1)..(300)

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1 5 10 15

aaa ggt agt gga tta gga aaa gct cag tgt gct gcg ttg tgg cta caa 96  
Lys Gly Ser Gly Leu Gly Lys Ala Gln Cys Ala Ala Leu Trp Leu Gln  
20 25 30

tgt gct agt ggc ggt aca att ggt tgt ggt ggc ggc gcc gtt gct tgt 144  
Cys Ala Ser Gly Gly Thr Ile Gly Cys Gly Gly Gly Ala Val Ala Cys  
35 40 45

caa aac tat cgt caa ttc tgt aga ggt ggt ggt ggg gga ggc ggg gga 192  
Gln Asn Tyr Arg Gln Phe Cys Arg Gly Gly Gly Gly Gly Gly Gly Gly  
50 55 60

ggg ggt ggt ggt gga gga ggt ggt ggt ggt ggt ggt atg tca aag ttc 240  
Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Met Ser Lys Phe  
65 70 75 80

gat gat ttc gat cta gat gtt gtg aaa gtc tct aaa caa gac tca aaa 288  
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atc act ccg caa 300  
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<223> The peptide sequence of sunA-PG20-SL.

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Cys Ala Ser Gly Gly Thr Ile Gly Cys Gly Gly Gly Ala Val Ala Cys  
35 40 45

Gln Asn Tyr Arg Gln Phe Cys Arg Gly Gly Gly Gly Gly Gly Gly  
50 55 60

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Met Ser Lys Phe  
65 70 75 80

Asp Asp Phe Asp Leu Asp Val Val Lys Val Ser Lys Gln Asp Ser Lys  
85 90 95

100

[illegible]